Analysis Report (Student #5)



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# Executive Summary

This report presents an analysis of a requirement modification concerning the anonymous menu. The change involves displaying an option that redirects developers to the home page of their favorite website while following a specific title format. The key point of analysis is the handling of the ID number, as prior instructions required hiding part of it with asterisks, though this requirement was not explicitly mentioned in the latest request. This report evaluates the requirement and provides conclusions on how to implement the necessary modification.

# Revision Table

|  |  |  |
| --- | --- | --- |
| **Revision Number** | **Date** | **Description** |
| 1.0 | 20/02/2025 | Initial draft |
| 2.0 | 20/02/2025 | Final document review |

# Introduction

The purpose of this report is to analyze the recent modification request regarding the anonymous menu feature. The new requirement specifies adding an option that directs the browser to the developer’s favorite website, formatted as:  
〈id-number〉: 〈surname〉, 〈name〉

This raises concerns about privacy, as a prior requirement in the requirements form mandated that part of the ID number be masked using asterisks to protect personal information. However, the new requirement does not mention this, leading to questions about whether the previous instruction still applies.

To address this, a detailed analysis is necessary to evaluate the privacy implications and determine whether the masking rule should still be followed.

This document contains the following sections:

* **Section 4: Requirement Analysis (Contents)** – Provides an overview of the key aspects of the requirement and alternatives for addressing the privacy issue, as well as the chosen option.
* **Section 5: Conclusions and Recommendations** – Summarizes the findings and proposed actions moving forward.
* **Section 6: References** – Lists any external sources consulted.

The report aims to find the best approach to implementing the modification while balancing privacy concerns and the technical requirements of the project.

# Contents

## Requirement Analysis

The requirement demands the inclusion of a menu option in the anonymous menu that directs the developer to their favorite website. The displayed title should include the developer’s ID number, surname, and first name. However, an earlier instruction stated that ID numbers should be partially masked using asterisks, which is not reiterated in this specific request. To maintain consistency and comply with prior directives, it is necessary to evaluate multiple alternatives.

## Alternatives

The solution alternatives considered are the following:

**Alternative 1: Display the full ID number in the title**

* **Explanation:** The full ID number is shown without any masking.
* **Advantages:** Aligns directly with the new requirement, which doesn't mention masking.
* **Disadvantages:** Exposes personal identifiers, potentially violating privacy guidelines.

**Alternative 2: Continue masking part of the ID number with asterisks**

* **Explanation:** The ID number is partially masked using asterisks (e.g., "1234\*\*\*\*").
* **Advantages:** Ensures privacy protection and consistency with previous guidelines.
* **Disadvantages:** The new requirement doesn’t specify masking, so confirmation is needed to verify if it's still necessary.

**Alternative 3: Mask or show the ID number, but always include the letter**

* **Explanation:** The ID is either shown fully or partially masked, but the letter at the end is always included.
* **Advantages:** Maintains standard ID formatting and avoids confusion.
* **Disadvantages:** Requires confirmation about whether the letter should always be included, even when masking.

## Proposed Solution

After careful evaluation of the alternatives, the concluded best approach is to combine Alternative 2 and Alternative 3. This means:

* **Masking part of the ID number with asterisks** to maintain privacy protection as instructed in earlier requirements.
* **Always including the letter at the end of the ID** to ensure consistency with established ID formats and prevent any potential confusion.

# Conclusions

The modification of the anonymous menu presents several options for displaying the ID number. Considering the previous requirements that mandated masking part of the ID for privacy protection, maintaining this rule while also ensuring the inclusion of the letter at the end of the ID appears to be the most privacy-conscious approach.

Although the new requirement does not explicitly mention masking, continuing the practice of partially masking the ID number and always displaying the letter ensures that personal information is protected and the ID format remains consistent with prior instructions.

# Bibliography

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